

SINGLE FAMILY DWELLING PLAN ATTACHMENT SHEET

INSPECTIONS

1. It is the responsibility of the contractor or owner to call for inspections, and to call for follow up inspections if any corrections are required on work done.
2. A **\$47.00 re-inspection fee** will be charged for: **1)** work not ready at time of inspection, **2)** no plans on job site, **3)** inspection card not posted, and **4)** corrections called for re-inspection not completed.
3. It is the responsibility of the contractor or owner to have animals, e.g., dogs, contained when inspections are made. Premises are to be unlocked at time of inspection; if not, a **\$47.00 re-inspection fee** will be charged.
4. If a **\$47.00 re-inspection fee** is charged, it is the responsibility of the contractor or the owner to come into the office, at 2500 N. Fort Valley Rd., Bldg. 1 Flagstaff Arizona, 86001-1287, and pay the fee. At which time you can schedule a time for a follow up inspection. **No further inspections will be done until the fee has been paid.**

BUILDING INSPECTIONS:

1. **Building inspections shall be scheduled before 3:00 p.m. the day before we are to be in the area. On Sunday you may request an inspection up to 12:01 a.m. See Coconino County inspection schedule to determine the day which an inspector will be in your area. Inspections may be scheduled during regular business hours (8:00 a.m. to 5:00 p.m. Monday through Friday.)**
2. **Inspection requests may also be taken on the inspector's voice mail on weekends, holidays. Or on the Web Portal (www.coconino.az.gov)**
3. **To speak with an inspector, call between 7:30 a.m. to 8:00 a.m. all year round, Monday through Friday.**
4. **To call for an inspection you will need to call in before 3:00 pm the day before the inspection.**
Option #1: Leave the following information, Parcel #, Permit #, type of inspection, day requested and Street address on the inspector's voice mail.
Option # 2: You can request an inspection on the **WEB PORTAL @ www.coconino.az.gov**
The same information in option 1 will be required. Check the web portal to see when the inspection was scheduled by the inspector.

The work shall be ready before calling for an inspection. If you call for an inspection and it is not ready the day it was requested for, please call before 7:00 am the day of the inspection to cancel. Approximate times may be given and appointments made as work load allows.

5. **Schedules for inspections in various areas are available at the Building Department. Inspections will not be made in areas of non-scheduled days. Special Inspections on non-scheduled days may be arranged 2 days in advance with fees paid prior to inspection.**

LISTED ARE THE REQUIRED INSPECTIONS.

- (a) **FOOTINGS:** setbacks, building site fills, retaining walls and other building locations, trench, rebar, electric ground (Ufer), etc.
INSPECTION MUST BE APPROVED BEFORE ORDERING CONCRETE.
- (b) **STEM WALL, PIERS AND MASONRY WALLS:** vents, access, rebar, anchors, masonry openings, all forms shall be striped before backing filling, etc.
INSPECTION MUST BE APPROVED BEFORE ORDERING GROUT.

- (c1) UNDER SLAB: #1) plumbing, #2) compaction, bearing turndown, etc.
- (c2) FLOOR FRAMING: sill plates, joist, girder size, load bearing beams, anchors, under floor clearance, trenches backfilled, crawl space clean of debris, log homes-log spike requirements, etc. BEFORE FLOOR SHEATHING
- (d) FRAMING & ROOF SHEATHING: walls, wall sheathing, rough opening for exit windows, stairs, 2nd floor framing, beams, rafters, anchors, bracing, siding, ice dam protection, roof sheathing, etc. BEFORE ROOF COVERING
- (e) PRE-DRYWALL: framing complete, exit windows installed, safety glass locations, rough electric, plumbing, mechanical, weather proofing, roof covering, flashing, siding and smoke detectors, all required plumbing tests, etc. BEFORE DRYWALL
- (f) DRYWALL NAILING: fire walls, green board, gypsum sheathing
- (g) MISCELLANEOUS INSPECTIONS: electric service, sewer line, water service, lath inspection for stucco, stone or brick veneer, etc.
- (h) FINAL: building, electrical, plumbing, mechanical, Health Department septic final, yard grading and drainage, slash removed from site, etc. BEFORE OCCUPANCY

NOTE: Check Coconino County schedule of inspections for a complete list.

THESE ITEMS ARE REQUIRED IN ADDITION TO RED LINES ON PLANS WHEN APPLICABLE

Coconino County Building Department Code Enforcement: UBC, and UMC, 1997 editions; Arizona State Plumbing Code; NEC 1999 edition. Other items amended and listed in our Coconino County Building Code Guidelines Book.

UNIFORM BUILDING CODE

1. **It is the responsibility of the contractor or owner to have property lines marked** so the inspector can determine setbacks at time of the footing inspection.
2. Revisions in plans shall be submitted prior to the start of that work.
3. All lumber shall be graded and stamped as per Section 2304. Our structural calculations and plan review is based on DF #1 girders and beams, DF #2 or better construction grade for studs, joists and rafters, unless otherwise noted and approved. Pine and any other locally produced lumber shall be graded and stamped or a certificate of inspection from an approved agency is required prior to issuance of a Building Permit.
4. Basement foundation walls in excess of 10' in height and or retaining 8' or more of soil shall be engineered. Any wall retaining in excess of 8' of soil shall be engineered
5. Masonry stems 3 ft. or more above grade shall have one #4 horizontal rebar at 4' O.C.
6. Fill material: (a) fill material for slab floors in excess of 4' in depth shall be designed by an engineer, tested and sustained by a soils report. Interior bearing footing design shall be stamped by an engineer with a soils report when footings do not extend into undisturbed soil. (b) fill material shall be limited to 3/8" or less dirty cinders or "ABC," (c) fill built on a parcel of land such as a building pad, in excess of 4', the fill shall be designed by an engineer and soils tests and report provided. (d) Any foundation system constructed on fill material, the fill and the foundation system shall be designed by an engineer and the plan stamped. (e) Any fill designed by an engineer, the plans shall show type of fill material and methods of placement.
7. #4 vertical rebar shall be installed into footings with a 6 inch bend and extend up into the top course of the stem wall at 4' o.c., corners, at anchor bolt placements, both sides of openings, beam pockets and bearing points.
8. Poured concrete walls shall have #4 vertical rebar at 4' o.c. and #4 horizontal rebar at 4' o.c.

9. Stem walls shall be grouted solid below grade and at rebar above grade, unless solid grouted.
10. 4 x 8 x 16 CMU suit case block shall not be allowed. Amendment 01-13.
11. Footings shall be stepped when grade slopes more than 1' to 10' with continuous footings. 1806.4.
12. Horizontal rebar in footings shall be placed on approved chairs to maintain concrete coverage under the rebar. All rebar and their laps in concrete and masonry shall be tied in place. 2104.5.
13. Anchor bolts ½" x 10" shall be installed into grouted and reinforced cells of stem walls at 4' o.c., into poured concrete foundations at 6' o.c., and within 12" from the ends of each sill plate into a grouted and reinforced cell or poured concrete. 1806.6 and 1611.4.
14. Sill plates and ledgers on masonry shall be pressure treated (P.T.) wood or redwood (foundation grade). Slab on grade construction, sill plates shall be pressure treated wood or redwood for all walls. Non-treated ledgers - install galvanized sheet metal between masonry and wood. 2306.4.
15. Posts shall be on piers elevated 8" above grade and on slabs or continuous raised pedestals 6" above grade, unless the posts are of P.T. wood or redwood. Posts on slabs in garages, basements, exterior porches and in areas where water splash may occur shall be raised 1" above the adjacent slab and 4" to 6" above grade. Posts shall be anchored to piers, slabs and pedestals by approved post bases or two straps with either a P.T. wood or redwood sill block or galvanized sheet metal under the posts.
16. Under floor crawl space: (a) access opening 18" X 24" minimum with a door, (b) vents 1 sq. ft. of opening for every 150 sq ft. of area, (c) ground clearance - 18" to joists, 12" to girders, (d) crawl space shall be clean of debris. Trenches around stem walls and piers shall be backfilled at both interior and exterior locations. 2306.3 and 2306.7
17. Any built-up girder with 4 or more members shall be bolted with ½" bolts at 32" o.c. staggered.
18. Double joists under parallel exterior bearing walls and two-story gable end walls for proper nailing and support. 2320.8.5.
19. Double joist and properly block under plumbing walls. 2320.11.7.
20. Cutting, notching and bored holes in framing lumber shall be within code limitations. Beams, manufactured joists and trusses shall not be cut, notched or have holes bored. 2320.11.9. and 2320.11.10.
21. Plumbing walls and vertical dryer vent spaces shall be 2 x 6 studs or larger where notching of studs greater than allowable may occur. . Plumbing vents and mechanical vents shall be concealed and chased to the roof. 2320.11.7.
22. Engineered truss installations shall be according to manufactured specifications for bearing points and catwalk supports. Trusses shall be braced diagonally at each end and every 25' o.c.
23. Homemade roof trusses are limited to 20' in length and approved design.
24. Roof lines intersecting with vertical walls and any penetrations through the roof shall be properly flashed with galvanized metal. 1508.
25. ½" roof sheathing shall be rated 32/16 minimum. ½" roof sheathing on a roof pitched 5/12 or less and supported at 2' o.c. shall have edges blocked or use ply clips. Amendment 01-13.
26. All roofing shall have a "Class B" minimum roof material installation assembly or be non-combustible roofing.

Roof slopes less than 2:12 shall be a membrane roof covering, hot mop or torch down "Class B" minimum.

Wood shake and shingles for roof covering shall have a Class B fire resistive rating and warranted for the life of the material for no re-treatment.

27. Severe Climate - in all areas of Coconino County (except Page, Tuba City, Winslow, and Ash Fork) roof eaves shall be protected as follows: Asphalt shingles - #40 coated roofing, with laps cemented together, installed on the eave and beyond the interior wall line 12". Asphalt shingles for roof pitch 2:12 to less than 4:12 - two additional layers of 15# felt, laps cemented together, installed on the eave and beyond the interior wall line 24". Wood shingles and shakes - two additional layers of 15# felt applied shingle fashion, solidly cemented together, installed on the eave and beyond the interior wall line 36". Table 15B - 1&2.
28. All bedrooms, lofts, and any room that could be used for sleeping purposes, e.g., study's, dens, offices; and spaces that could be converted into sleeping rooms by future construction, e.g., unfinished basement areas, shall have at least one window to the outside that meets emergency egress requirements. 310.4. Basements shall have at least two (2) egress windows.
29. Secondary exit doors and doors into attached garages shall not be less than 2' 8" x 6'8". Exception: A 5' sliding glass or atrium door unit may be allowed to the outside.
30. There shall be no door opening from a garage/storage into a bedroom or sleeping area.
31. Hinged shower doors shall open outwards. 2407
32. Green Board drywall shall be used under ceramic tile in showers or tub enclosures. It shall not be used on the ceiling unless supported by framing 12" o.c. 2512.
33. Stairs: (a) 8" maximum rise, (b) 9" minimum tread, (c) 6' - 8" minimum head room, and (d) width 36" minimum. Doors at the bottom of stairs shall have a 3' x 3' floor space before the door. 1003.3.3.2, 1003.3.3.3, 1003.3.3.4.
34. Handrails are required on stairs with 4 or more risers installed 34" to 38" above the nose of the tread. Handrails shall be continuous and have a grip able surface of 1 ¼" minimum to 2" maximum. Install guardrails on all open sides of stairs with intermediate rails spaced less than 4" between rails, with the same height allowed for handrails. 1003.3.3.6.
35. Guardrails on balconies or decks, 30" or more above the floor or grade, shall be 36" high minimum with intermediate rails spaced less than 4" between rails. 509.1 , 509.2, 509.3.
36. Decking boards shall be spaced no greater than 1/4" maximum space between boards. Amendment 01-13.
37. SFD minimum insulation standards: R-11 for walls and floors, R-8 for masonry walls, R-19 for ceilings, and R-9 for cathedral ceilings. Amendment 01-13..
38. Masonry fireplaces: (a) #4 vertical rebar at corners, and 40" o.c., (b) 1/4" bar horizontal 16" o.c. and #4 horizontal bond beam at 8' o.c., (c) chimneys with multiple flues shall have a 4" masonry separation between flues, (d) chimneys shall extend 2' above any portion of the structure within 10' and have a spark arrester. (e) anchor chimney at each floor and roof line, (f) combustibles shall be kept 2" from the fireplace or chimney, (g) masonry fireplaces supporting beams and ledgers shall be engineered. 3102.4.2.
39. Vertical 1 x ____ siding (board and batt, tongue and groove, or shiplap) shall be nailed to horizontal blocking placed in between studs, spaced 24" o.c., with or without exterior wood sheathing. 2310.2.
40. Wall bracing: (a) exterior walls and main interior cross walls shall be braced at each end and 25' o.c., by the use of let-in bracing, approved metal bracing, approved panel sheathing or siding, (b) walls shall be braced with sheathing panels of 4' x 8' of the wall length when doors, garage doors, windows or other obstructions are located within 8' of the wall corners or within the 25' spacing of braces, (c) a 1" x 6" let-in brace may be used on the first floor of a 2-story building and the second floor of a three-story building, where 1" x 4" let-ins are not allowed and there shall be a minimum of

25% coverage of the building wall length, (d) the first floor of a three-story building shall have 40% of the building length solidly sheathed, (e) all edges of panel sheathing or panel siding shall be supported or blocked. Panels shall be nailed with 8d corrosion resistant nails, nailed at 6" o.c. on edges and 12" o.c. in the field. Hardboard panel siding, the bracing panels on corners and 25' o.c. shall be nailed at 4" o.c. on edges and 8" o.c. in the field. 2320.11.3.

41. Structural anchorage: anchor straps are required for multi-level houses and when horizontal siding, stucco and brick veneer is used; installed at 4' or from sill plates to studs and from studs to 2nd floor to studs and studs to the roof structure for a continuous anchor path. 1605.2.3 and 2309.
42. Exterior walls shall have a weather resistive (W.R.) barrier, using 15# felt, thermal barrier panels or wrap, approved W.R. panel sheathing or siding. 1402.
43. Exterior wall siding, trim, exposed wood, or any other material requiring a finish, shall be sealed and finished with approved coatings. 1402.3.
44. Panel siding shall be installed on studs spaced 16" o.c., unless approved for 24" o.c. installation.
45. Stucco: approved stucco systems shall be installed according to the manufacturer's specifications. Other stucco shall be 7/8" - 3 coat on stud's 16" o.c. with #18 wire backing or sheathing, self-furring lath with building paper and a weep screed (self draining at 4" above grade). If lath is over wood sheathing, use 2 layers of grade "D" paper.
46. An attic access opening in the garage, when part of a fire resistive ceiling, shall be covered with 5/8" type X gypsum board glued and screwed to 3/4" plywood. Amendment 01-13.
47. All attached garages (all U-1 occupancies) shall have 5/8" type X gypsum board on the garage side of common walls, all load bearing walls, and the ceiling. Ducts, piping, conduit and electric box penetrations through the garage fire-wall or ceiling, shall be metal or 1-hour rated. All openings into the garage shall be protected; For doors, 1 3/8" solid core self closing or a 20-minute labeled; duct openings shall have fire dampers. 109.710 and Amendment. 01-13.
48. Smoke detectors shall draw their power source from building wiring and shall be equipped with battery back-up. All smoke detectors shall be wired so they all sound at the same time. The detector shall emit a signal when the battery is low. 310.9.1.
49. Where planter boxes are installed adjacent to wood frame walls, a 2" wide air space shall be provided between the planter and the wall. Flashing shall be used when the air space is less than 6" in width. Where flashing is used, provisions shall be made to provide circulation of air in the air space. 2306.8.
50. Single cylinder dead bolts are not allowed on exit doors. 1003.3.1.8.
51. **No structure shall be occupied prior to the approval of the Final Inspection by the Building Department.**
52. Code items not covered on this sheet nor on the plans are still required for compliance. The issuance of a permit based on plans and specifications shall not prevent the building inspector from requiring the correction of errors on site when in violation of the code UBC 106.4.3.

UNIFORM PLUMBING CODE

1. PVC water piping is not allowed in the house. Appendix 1211.1.
2. Type L copper is recommended as the minimum water distribution piping material to be used within the dwelling in concealed construction. Water piping under the slab shall be type L copper minimum and shall have no joints, unless the joints are silver soldered and the piping is pressure tested. 316.1.3., 609.3.2. and Amendment 01-13.
3. Exposed water pipes in crawl spaces shall be adequately insulated. Protect plumbing on exterior walls from freezing by approved methods. 313.6.

4. Plumbing fixtures allowed in garages shall be installed in heated insulated enclosures. Exposed water pipes in garages shall be adequately insulated.
5. Copper piping in contact with cinders shall be protected by poly sleeves. 313.1.
6. In addition to the required pressure and temperature relief valve, an approved listed expansion tank or other device designed for intermittent operation for thermal expansion control shall be installed with the hot water heater on closed water systems. 608.3.
7. Shut-off valves: (a) a water supply shut-off valve shall be installed on the discharge side of the meter, (b) cold water supply shall have a shut-off valve at the water heater - 605.3, (c) a gas piping shut-off valve shall be installed on the main gas supply piping at the house exterior. 1211.12 and Amendment 01-13.
8. No gas piping in or on the ground under any house or structure. 1211.4.
9. Propane gas appliances shall not be installed in basements or pits. Propane gas piping shall have a drip leg before an appliance or one located on the service pipe before entering a structure.
10. Water heater and boilers, gas or electric, shall not be allowed in under stair locations, bedrooms, bathrooms, clothes closets or in spaces having access through such rooms and spaces. 509.0 and Amendment . 01-13. EXCEPTION: Direct vent applicants UMC 304.5 Ex. 1 See UMC Item 21
11. Drain, waste, and vent piping shall be tested by a 10' water head test before the slab is poured and at the time of the rough plumbing inspections. During winter months the test should be an air test of 5 PSI. 723.0.
12. Gas and water piping pressure tests shall be inspected: Water pipe air test, 50 PSI for 15 minutes; Gas pipe air test, 10 PSI for 15 minutes; for medium pressure test, 60 PSI for 30 minutes.
13. Required pressure tests of 10 PSI or less shall be performed with gauges of 1/10 pound increments or less. Required pressure tests exceeding 10 PSI, but less than 100 PSI shall be performed with gauges of 1 pound increments or less. 319.0.
14. Dielectric unions are required on water piping with dissimilar metals. 510.4.
15. Pressure and temperature relief valves on water heaters shall be piped to the outside. Do not trap. Galvanized steel or hard drawn copper same size as outlet. 608.5.
16. Island sinks shall be loop vented. 909.
17. Changes in direction of piping shall be made with approved fittings.
18. Sleeve all piping through footings, stem or slab. Piping installed through structural bearing footings and foundation walls shall be rigidly sleeved so the structural load does not affect piping nor the piping impair the integrity of the footing.
19. Vacuum breaker type hose bibs shall be used. In areas where freezing occurs, they shall be frost proof.
20. Frost proof vacuum breaker hose bibs shall not be used as the drain valve when a drain down water supply system is used.

NATIONAL ELECTRIC CODE

1. Electric service locations and installations shall be to APS specifications, and approved by the authority having jurisdiction.
2. #4 ufer ground and water bond are required to service entrance, with no splices. Water bond sized - #4 for 200 amp, #6 for 100 amp. Gas pipe bond, sized - #8 for 100 amp, #6 for 200 amp. ½" x 8' CU ground rod for pier construction and alterations, with a #4 grounding electrode conductor min. and

acorn clamp.

3. 210-8 Ground-Fault Circuit-Interrupter Protection for Personnel

410-4 Light suitable for damp locations

210-8(a)(1) Bathrooms

210-8(a)(2) Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

210-52(e) Outlet at front and back

210-8(a)(3) Outdoors

210-8(a)(4) Crawl Spaces

210-8(a)(5) Unfinished Basements

210-8(a)(6) Kitchens. Where receptacles are installed to serve countertop surfaces.

210-8(a) (7) Wet bar sinks and laundry sinks. Where the receptacles are installed to serve the countertop surfaces and are located within 6' of the outside edge of the wet bar sink and laundry sink.

4. 210-11 Branch Circuits Required

210-11(c)(1) Small-Appliance Branch Circuits. In addition to the number of branch circuits required by other parts of this section, two or more 20-ampere small-appliance branch circuits shall be provided for all receptacle outlets serving kitchen, pantry, breakfast room, dining room, or similar areas and shall have no other outlets on these circuits (No Lighting).

210-52(c)(1,2,3,4,&5) Locations and spacing

210-11(c)(3) Bathroom Branch Circuits. In addition to the number of branch circuits required by other parts of this section, at least one 20-ampere branch circuit shall be provided to supply the bathroom receptacle outlet(s). Such circuits shall have no other outlets.

5. 210-12 Arc-Fault Circuit-Interrupter Protection

210-12(b) Dwelling Unit Bedrooms. All branch circuits that supply 125-volt, single-phase, 15- and 20-ampere receptacle outlets installed in dwelling unit bedrooms shall be protected by an arc-fault circuit interrupter(s). This requirement shall become effective January 1, 2002.

6. 210-52 Dwelling Unit Receptacle Outlets

210-52(b)(5) Receptacle Outlet Location. Receptacle outlets shall not be installed in a face-up position in the work surfaces or countertops.

210-52(d) Bathrooms. In dwelling units, at least one wall receptacle shall be installed in bathrooms within 36 inches of the outside edge of each basin.

210-52(FPN) Listed baseboard heaters include instructions that may not permit their installation below receptacle outlets.

7. 410-8 Fixtures in Clothes Closets

410-8(b) Fixture Types Permitted. Listed fixtures of the following types shall be permitted to be installed in a closet.

(1) A surface-mounted or recessed incandescent fixture with a completely enclosed lamp.

(2) A surface-mounted or recessed fluorescent fixture.

410-8(c) Fixture Types Not Permitted. Incandescent fixtures with open or partially enclosed lamps and pendant fixtures or lamp holders shall not be permitted.

410-8(d) Location

- (1) Surface-mounted incandescent fixtures installed on the wall above the door or on the ceiling, provided there is a minimum clearance of 12 inches between the fixture and the nearest point of storage. Storage is from shelf to ceiling.
- (2) Surface-mounted fluorescent fixtures installed on the wall above the door or on the ceiling, provided there is a minimum clearance of 6 inches between the fixture and the nearest point of storage.
- (3) Recessed incandescent fixtures with a completely enclosed lamp installed in the wall or the ceiling, provided there is a minimum clearance of 6 inches between the fixture and the nearest point of storage.
- (4) Recessed fluorescent fixtures installed in the wall or on the ceiling, provided there is a minimum clearance of 6 inches between the fixture and the nearest point of storage.

8. 410-66 Clearance and Installation

410-66(b) Installation. Thermal insulation shall not be installed above a recessed fixture or within 3 inches of the recessed fixture's enclosure, wiring compartment, or ballast unless it is identified for contact with insulation, Type IC.

9. Panel boards are not allowed in clothes closets or bathrooms.

10. 110-6 Working space clearances 30"x36"x75"

11. Amendments:

- (1) Use of Aluminum Wire – Amend Article 110 by adding Section 110-60 to read as follows: Use of aluminum wire is approved for service entrance conductors and/or panel feeders ONLY, and shall not be used for any other purpose.
- (2) Receptacles in Garages – Amend Article 110 by adding Section 110-62 to read as follows: All receptacle outlets in garages shall be installed greater than 18 inches above the finish floor height.
- (3) Ground-Fault Circuit-Interrupter Protection – Amend Article 210-8(a)(7) – Wet Bar Sinks – to include the following: Utility sinks and Laundry sinks.
- (4) Electric Metallic Tubing – Uses Not Permitted – Amend Article 348-5 by adding 348-5.6 to read as follows: Electrical metallic tubing (E.M.T.) shall not be allowed for underground raceways.
- (5) Hydro massage Bathtubs – Protection – Amend Article 680-70 by adding 680-70.1 to read as follows: The ground-fault circuit-interrupter device shall be motor rated (faceless G.F.C.I.) and readily accessible. (See N.E.C. definition for accessible and readily accessible). Hinged access.

UNIFORM MECHANICAL CODE

1. Range hood, dryer, and exhaust fans shall be vented to the outside. Ducts for range hoods and dryers shall be smooth galvanized metal. The use of screws in this application is prohibited. Range hood duct may be Schedule 40 PVC under slab. 504.
2. Combustion air requirements shall be met for any gas fuel burning appliance. Fireplaces installed in bedrooms shall be direct vent type or have combustion air supplied from the outside and have doors

installed on the fireplace front Combustion air shall not be pulled in from the garage. 703.3.

3. Appliance vents shall be listed material and installed with proper clearance and terminations. Chapter 8.
4. Provide for the inspector, manufacturers' installation instructions for any heating equipment at the time of inspection.
5. L.P. equipment installed in a crawl space or daylight basement shall have an approved means to drain any unburned L.P. gas to the outside. L.P. equipment shall not be installed in any pit. 304.5.
6. Listed wood stoves shall be installed according to manufacturers' specifications and clearances. 302.1.
7. Unlisted wood stoves shall meet minimum County clearances. Amendment 01-13.
8. Water heaters, cooling coils or units, located in attics or furred spaces where damage may result from condensate overflow, shall have an additional water tight pan beneath the unit of corrosion resistant metal with a pipe not to be smaller than the drain pan connection on the approved equipment and shall maintain a minimum horizontal slope of not less than 1/8 unit vertical to 12 unit horizontal. 309.
9. Spark arresters are required on factory built chimneys used with fireplaces or heating appliances in which solid fuel is used and shall be 3 feet minimum above combustible material. 812.1.
10. When a dryer is located in a closet 100 square inches of make-up air shall be provided in the door or by other approved means. 908.2.
11. Gas fireplaces and gas log appliances shall be equipped with a listed device or devices which will shut off the fuel supply to the main burner or burners in the even of pilot or ignition failure. The gas pipe extending into a fireplace, the opening shall be caulked with mortar or other approved material. 311.3 and Amendment. 01-13.
12. Clothes washers and dryers located in a garage shall be on a platform not less than 8 inches above the garage slab. 303.1.3 and Amendment. 01-3.
13. Warm air furnaces, gas or electric, shall not be allowed in under stair locations, bedrooms, bathrooms, clothes closets or in spaces having access through such rooms and spaces. 304.5 and Amendment 01-13. See Item 21 this section.
14. Gas piping in the house shall be protected with an isolating union from the underground gas piping, installed on the discharge side of the shut-off valve. The main gas piping shut-off valve shall be an exterior rated ball valve type. The isolating union and shut-off valve shall be 6" above grade minimum with the union on the discharge side of shut-off valve.
15. Underground non-metallic gas yard line shall have an insulated tracer wire run with the pipe. 18 ga. minimum. 1211.16.
16. A rigid connection shall not be allowed between gas appliances and gas piping. The connection shall be made to a rigid nipple outside the appliance with an approved appliance connector. 1212.0 and Amendment 01-13.
17. All underground LP tanks shall be installed with an anode to prevent tank corrosion.
18. Underground LP tanks shall have a two-stage regulator system installed with the gas piping. The regulator vent shall extend above the highest flood level in the dome of an underground LP tank installation. Medium pressure lines tested at 60 pounds for 30 minutes.
19. Exterior fire pits and unlisted decorative gas fireplaces may only be installed 10 feet away from any structure.

20. Decorative appliances, fireplaces, and room heaters may be un-vented provided they are listed, tested, and equipped with an oxygen depletion sensor and approval is based on a current evaluation report by an approved agency. These appliances shall not be located in bathrooms, bedrooms, rooms which could be used for sleeping purposes or mobile homes. These appliances shall not be used for the required heating system of a dwelling unit or any other occupancy. These appliances may only be located in rooms provided there is 50 cubic feet of space per 1000 BTU's of rating.
21. 304.5 **Prohibited location exceptions:**
- 1.) Exception 2 of 1003.1 of the (1997) Uniform Mechanical Code.
Water heaters and boilers installed in closet that has a weather-stripped with threshold, solid door with an approved door closing device, and designed exclusively for the water heater and boiler and where all air for combustion and ventilation is supplied from the outside.
 - 2.) Exception 5 of 304.5 of the (1997) Uniform Mechanical Code.
A warm air furnace in an enclosed space with combustion air obtained from outside the building in conformance with Chapter 7 and having a tight fitting gasketed door with threshold and an approved door closing device may have access through a bathroom or bedroom.
22. Equipment in Attics 307.3
Equipment in Crawl Spaces 307.4
- a) 30" x 22" access
 - b) within 20 feet of access
 - c) continuous flooring 24 inches wide
 - d) illumination switched from access 306.4
 - e) service receptacle within 25 feet of equipment 306.3

IMPORTANT NOTE: **THE APPROVED PLANS ARE THE BASIS FOR INSPECTION AND THEY SHALL REMAIN ON THE JOB SITE AT ALL TIMES.**

IF YOU HAVE ANY QUESTIONS PLEASE CALL
Contact Phone: (928)-226-2270
Web Site: www.coconino.az.gov